

HORN

A. C. HORN COMPANY, INC.

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10

**For More Than 50 Years
Manufacturers of Materials for
BUILDING MAINTENANCE
AND CONSTRUCTION
used in thousands of structures
and protecting millions of square
feet of surface . . .**



SUBSIDIARY OF



**CHEMICAL
CORPORATION**

AN INDEX OF THE ARCHITECTS' PROBLEMS AND HOW A. C. HORN PRODUCTS HAVE SOLVED THEM

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A. C. HORN COMPANY, INC.

INTERIOR PAINTS

FLAT WALL FINISH OIL PAINT

HORN-O-TONE

1. HORN-O-TONE is not just another paint, but represents the latest achievement in paint technology.

2. HORN-O-TONE is the ultra-modern interior flat wall finish.

3. HORN-O-TONE is not a water paint. Its outstanding feature is its increased non-penetrating properties—so important when painting porous surfaces such as plaster—wallboard—concrete surfaces—brick—wood—cinder blocks.

4. The controlled penetration is accomplished by proper polymerization of the vehicle components providing the ideal surface tension to the finished paint. These combined attributes assure a uniform finish eliminating high spots, flashes, etc.

5. HORN-O-TONE possesses excellent hiding and covering capacity. It dries to a rich and velvety flatness of very high light reflection and excellent light diffusion . . . without glare.

6. HORN-O-TONE requires no thinning. It comes ready for use for either brush or spray application. It may be thinned for spray application with substitute turpentine or turpentine.

7. HORN-O-TONE may also be used over clean firm surfaces previously painted with calcimine — water thinned paint—resin emulsion paint—whitewash.

8. HORN-O-TONE is easy to apply — no wrist strain—it hides and covers exceptionally well. One coat of this material is as good or better than a coat of undercoat or size, plus a coat of flat wall paint.

Covering Capacity: Approximately 400 sq. ft. per gallon, one coat, depending on surface irregularity and porosity.

In a variety of colors.

9. HORN-O-TONE is highly recommended for the interiors of

Schools
Hospitals
Hotels

Housing Projects
Office Buildings
Commercial Buildings
Industrial Plants

GLOSS AND SEMI GLOSS WALL FINISH

SUPER FUME PROOF ENAMEL

WHITE ONLY

Features

1. Decreases cost of illumination.
2. Diffuses a large percentage of light.
3. Decreases percentage of defects and spoilage.
4. Lowers accident rate and reduces injuries.
5. Possesses advertising value — bespeaks prosperity and good management.
6. May be readily washed and scrubbed.
7. Dries dust-free in approximately four hours.

Can be tinted with color-in-oil.

Super Fume Proof Undercoater should be applied prior to application of Super Fume Proof Enamel.

Covering Capacity: Approximately 400 sq. ft. per gallon, one coat, depending on surface irregularity and porosity.

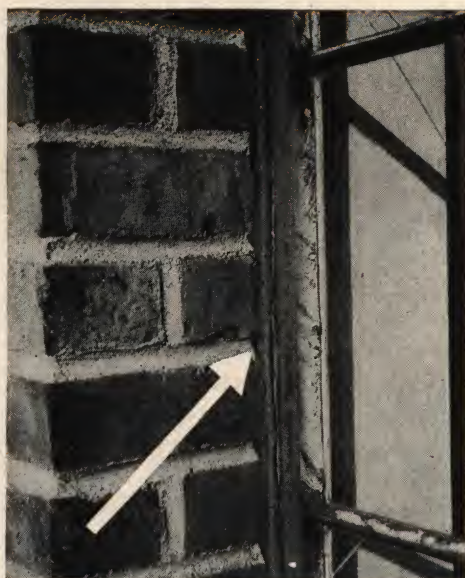
Uses

Abattoirs
Aircraft Plants
Ammunition Plants
Bakeries
Beverage Plants
Bottling Plants
Candy Plants
Canneries
Chemical Plants

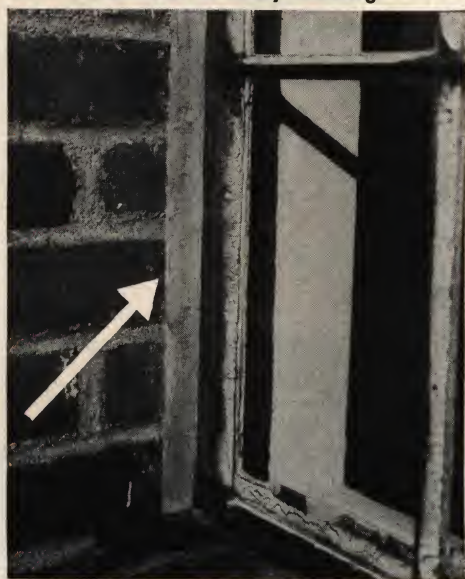
Cotton and Textile Mills
Dairies
Hospitals
Ice Plants
Ice Cream Plants
Laundries
Meat Packing Plants
Warehouses
Food Processing Plants



CAULKING window and stone



Failure of Ordinary Caulking



VULCATEX Caulking after 11 years

LATEST RECOMMENDATIONS* NATIONAL BUREAU OF STANDARDS
 Shrinkage.....Not more than 15% under test outlined.
 Bond.....Peel after 15 days leaving adhering film.
 Tenacity.....Fold test after 15 days (6 times through 180°).
 Rate of Hardening.....Less than 50% in 15 days (Penetrometer test).
 Oil Retention.....1/16 inch or less stain spread (limestone test).
 Consistency.....No slump at 120° for 24 hours.
 * Copy of General Requirements and testing procedure on request.
 REPORT OF U. S. TESTING COMPANY No. 15296†

Summary: "We find that VULCATEX conforms in all respects to the requirements detailed in the publication 'Building Materials and Structures, Report BMS 33 Plastic Caulking Materials, of the National Bureau of Standards (U. S. Department of Commerce).'"
 Shrinkage2.3% Rate of Hardening.....18.5%
 BondSatisfactory Oil Retention.....No staining
 TenacitySatisfactory greater than 1/16 inch
 ConsistencySatisfactory

Elastic CAULKING COMPOUND

VULCATEX

Description: Vulcatex is the acknowledged, time-tested leader of caulking compounds. Based on years of service, Vulcatex is the most economical caulking compound on the market, since it will not dry out, crack or shrink as inferior caulking compounds often do. Some installations over twenty years of age are still intact, pliable, watertight and effectively bonded to the joints. Vulcatex is made in knife and gun grade consistency. The standard color is light grey. Also available in white, limestone, brown, black, red, green and dark grey.

Use: Vulcatex is used wherever it is desired to obtain a sound water-resistant joint between masonry and window frames, stone copings, glass brick, steel sash, masonry construction and wood frame construction. Where it is desirable to match color of caulking compound with the surrounding surface, it is customary to stripe the joint with an exterior paint, properly tinted to match. Vulcatex can be painted over. All joints should be primed with Horn Vulcatex Joint Primer, clear lacquer or shellac before caulking with Vulcatex.

Coverage: One gallon (231 cubic inches) will caulk approximately: 9 windows 4 x 7 ft. with $\frac{3}{8}$ inch rabbet; 6 windows 4 x 7 ft. with $\frac{1}{2}$ inch rabbet; 4 windows 4 x 7 ft. with $\frac{3}{4}$ inch rabbet; or 77 lineal feet of open $\frac{1}{2}$ x $\frac{1}{2}$ inch.

Always Specify
VULCATEX

**THRIFTPAKS
 CAULKING COMPOUND
 FACTORY-SEALED**

- The U. S. Government Does.
- The State of New York Does.
- Private Industry Does.

Why?

1. Because factory sealed THRIFTPAKS make job adulteration impossible.
2. Because THRIFTPAKS save time and labor in gun loading. No waste due to wiping off gun each time it is loaded.
3. Because there is no wastage from material skinning over on sides of bulk containers or discarded half-emptied pails.
4. Because there is no ladder climbing to load and re-load.
5. Because THRIFTPAKS may be used in cold weather without the need of thinning the material. Air-tight, cellophane THRIFTPAKS will fit most standard caulking guns. Estimate approximately 10 THRIFTPAKS to the gallon. Packed 100 THRIFTPAKS to the case.



A. C. HORN COMPANY, INC.

† Certified copy of report will be sent upon request.

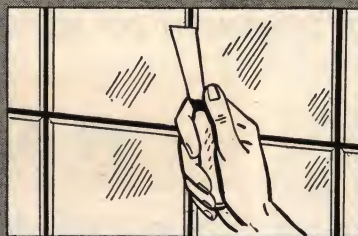
GLAZING

HORN

GLAZING COMPOUND



1—Ready to use. No kneading or softening. No time wasted for preparation.



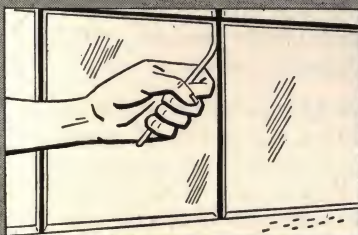
2—Quickly and easily applied with ordinary glazing tool or wide blade spatula.



3—No priming or painting of window sash. Only clean surfaces required.



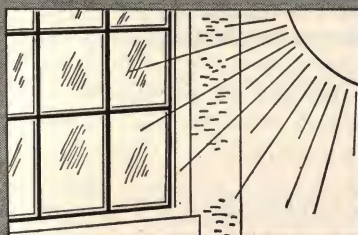
4—Easily removed. No laborious chiseling required. Simply roll off with glazing tool.



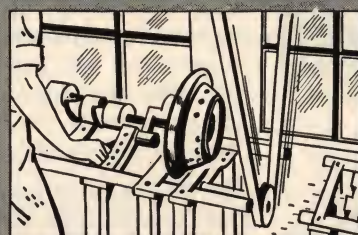
5—Adheres firmly to wood, steel, glass. Will not pull away or permit leakage.



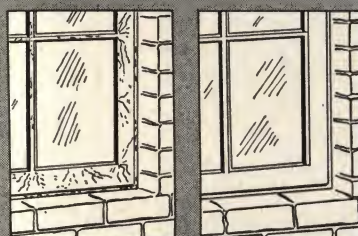
6—Does not set hard. Does not crack or crumble. Extra long life and service.



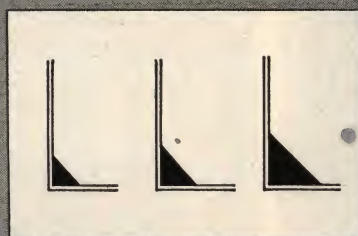
7—Self-adjusting to the contraction and expansion of wood, steel and glass.



8—Cushions glass, absorbing shock and vibration. Will not jar loose. Reduces glass breakage.



9—Resists corrosion of steel sash. Helps prevent the rotting of wood sash.



10—Covering capacity per Gal.

$\frac{3}{8}$ " Rabbet—approx. 195 Lineal ft.

$\frac{1}{2}$ " Rabbet—approx. 140 Lineal ft.

$\frac{3}{4}$ " Rabbet—approx. 85 Lineal ft.

Description: On large maintenance and small glazing jobs, ordinary putty has long since been replaced. Horn Glazing Compound has taken its place more efficiently and more economically. For Horn Glazing Compound is a plastic material of unusual qualities. First and foremost, it does not dry out as putty does. It stays "put", effectively resisting weather, shock, or vibration. Its long, efficient service obviously has a number of other advantages. By helping to prevent cracking or breakage of glass panes, it becomes a real factor in reducing maintenance costs. For in many industries, glass breakage is a surprisingly large item. Further reduction of maintenance costs also results from the fact that Horn Glazing Compound forms permanently leak-proof and dustproof joints, thus protecting interior surfaces and materials in the immediate vicinity of the sash. It is natural gray in color.

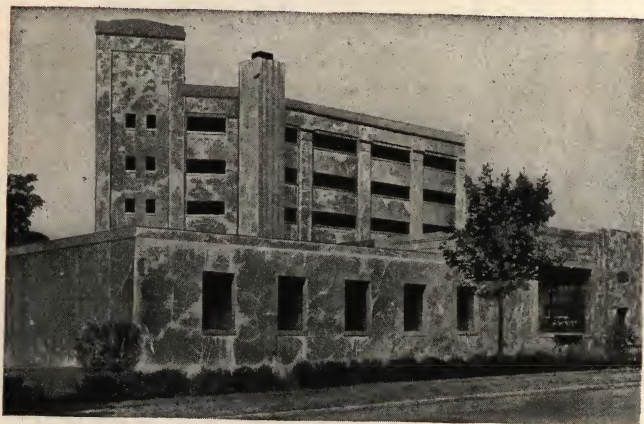
Use: Horn Glazing Compound is easily applied with an ordinary glazing tool or wide blade spatula. No special skill is required and since it is always in "ready-to-use" condition, no time for preparation is lost on the job. If for any reason it must be removed, it can be rolled off by the same tool almost as rapidly as it is applied. This is in marked contrast to putty which must often be chiselled and scraped involving considerable labor and an unsatisfactory result as compared to Horn Glazing Compound. Owing to its plastic and elastic character, Horn Glazing Compound maintains a tight seal where applied regardless of expansion, contraction, or movement. It is therefore an important factor in fuel bills by elimination of the constant leakage of cold air through the sash. Horn Glazing Compound retains its original condition in the container and is always "ready-to-use." It is desirable for a plant to keep a supply on hand for immediate repair work.

LONG ISLAND CITY • NEW YORK



EXTERIOR SURFACES

FOR THE PROTECTIVE AND DECORATIVE TREATMENT OF ALL MASONRY SURFACES



Deterioration of structural surfaces due to water penetration.



Attractive appearance of building after preservative treatment with Waterfoil.



Before Treatment



After Treatment

WATERFOIL

After many years of laboratory research directed toward finding a more effective preservative treatment for masonry surfaces, the A. C. Horn Company developed WATERFOIL. The laboratory work was followed by years of field tests on hundreds of structures under various types of climatic conditions. The results of these tests confirmed the merits of this new product for the protection of exterior masonry surfaces.

Description: WATERFOIL is an irreversible inorganic gel which hardens into a heavy coating of microscopic sponge-like character and practically "welds" itself, mechanically and chemically, into the minute voids of concrete, stucco or brick surfaces. WATERFOIL is not just a coating like paint but becomes an integral part of the masonry itself, forming a microscopically fine-textured protective surface. It is an exclusive material and process; an oil-less, water-less formation that becomes a composite part of the structure. It contains no Linseed Oil, Casein, Resin Emulsion, Volatile Thinners or Cement. No primers are required.

Use: WATERFOIL is recommended for general use as a treatment for exterior masonry surfaces. It impedes the penetration of water, lengthens the life of masonry materials and beautifies structural surfaces. Skilled labor is not required, as WATERFOIL can be applied satisfactorily by any careful workman.

All over this country plants, institutional buildings, factories, office and residential buildings are suffering war-time neglect. Their shabby appearance is a danger sign of creeping disintegration. The surfaces of such buildings can be treated with WATERFOIL to restore their original fresh appearance. An application of WATERFOIL will pay handsome dividends, for the protected structures will go into the post-war period in first-class condition.

WATERFOIL is manufactured in the following colors: Cream, Buff, Cement Grey, Grey, Brick Red and White.



A. C. HORN COMPANY, INC.

EXTERIOR SURFACES

A COLORLESS LIQUID FOR THE PROTECTION OF POROUS BUILDING MATERIALS AGAINST THE EFFECTS OF WEATHERING

DEHYDRATINE No. 2A & No. 2

DEHYDRATINE No. 2A is a colorless liquid treatment developed in the Horn laboratories to accomplish this purpose. For more than thirty years it has been universally recognized, through its use on thousands of buildings under all kinds of weather and climatic conditions, as a most effective material for its purpose. It is applied by brush or spray to protect virgin concrete, stucco and masonry without affecting the surface texture or impairing architectural appearance.

Description: DEHYDRATINE No. 2A functions by rendering the surface pores of the concrete, stucco or masonry units thoroughly water-repellent. Its efficiency and endurance result from the nature of its composition and its deep penetration into the porous structure of the surfaces treated.

Its property of preserving the surface texture and its non-staining quality recommend it for the treatment of the finest limestone as well as other facing materials.

Use: DEHYDRATINE No. 2A helps to preserve brick, stone, concrete, stucco, cement mortar, magnesite, lime or cement stucco from deterioration due to the following causes.

1. From absorption of water due to driving rainstorms or atmospheric moisture.
2. From disintegration splitting and cracking resulting from frost.
3. From destructive volume changes due to alternate wetting and drying.
4. From rusting of steel reinforcement in concrete, and metal lath in stucco, as the result of absorbed moisture with consequent destructive spalling of the exterior surfaces.
5. Assists in checking efflorescence.
6. Helps to insure a cleaner looking structure by resisting the absorption of dirt particles which are readily washed away by rain. This is particularly important with respect to fine limestone buildings, the appearance of which can be protected by treatment of their exteriors with DEHYDRATINE No. 2A.

DEHYDRATINE No. 2 performs the same function as DEHYDRATINE No. 2A, and, in addition, deepens the color and texture of brick and masonry surfaces.

Note: DEHYDRATINE No. 2 and DEHYDRATINE No. 2A should not be applied to previously painted surfaces. Other Horn Products are available for this requirement. Write the A. C. Horn Company for complete details.

FOR THE PROTECTION OF EXTERIOR MASONRY SURFACES — BRICK, STUCCO, CONCRETE

SYMENTREX

Description: SYMENTREX is a liquid coating combining color and waterproofness, which is also resistant to the attack of the alkali elements in the surface to which it is applied. SYMENTREX forms a waterproof sheath over the surface, to which it clings firmly, and by which it is assimilated. Its appearance is flat, and it imparts to the surface a uniform, decorative effect.

Use: Ordinary paints cannot be used on concrete surfaces or brick surfaces which have mortar joints. The free alkali or lime released in the setting of Portland cement

is very active, and combines with the oils of ordinary paints to break down and destroy the film. SYMENTREX is designed to resist this saponifying action.

Application: SYMENTREX may be applied to unpainted or a previously painted surface which is in a sound condition, clean and dry. SYMENTREX is applied in two coats, after first pointing open joints. Coats should be given from 24 to 48 hours to dry. On dense surfaces, thin first coat with $\frac{1}{2}$ to 1 pint of turpentine to the gallon; apply second coat without thinning. On porous surfaces, apply a first coat of SYMENTREX PRIMER.

Colors: Slate, Ivory, Grey, Red, Cement Color, Drab, Buff, Cream, Light Grey, Sandstone and White.

Covering Capacity: Approximately 200 sq. ft. per gallon first coat; 300 sq. ft. per gallon second coat, depending on porosity and texture of surface.

MASONRY

DAMPPROOFINGS — ABOVE GRADE

DEHYDRATINE No. 1

BRUSH CONSISTENCY

A heavy bodied dampproofing paint for application to the inside face of exterior walls above grade. Applied by brush or spray to masonry surfaces.

Covering Capacity: Approximately 50 sq. ft. per gallon, two coats. 80 sq. ft. per gallon, one coat, depending on porosity and texture of surface.

DEHYDRATINE No. 3

BLACK STAINPROOF STONE BACKING

Description: A specially prepared, quick drying, black brushing compound, highly resistant to chemical reaction, to be applied to all UNEXPOSED surfaces of cut stone.

Use: For protection of limestone and other light colored stones from the stains caused by the percolation of dampness through the grain of the stone and to prevent discoloration on the face of the stone. The source of stone staining usually may be traced to the coloring matter and salts absorbed from the brick backing into the stone by saturation. Must be used as it comes from the package.

Covering Capacity: Applied with a brush — approximately 100 sq. ft. per gallon, 1 coat, depending on porosity and texture of surface.

DEHYDRATINE No. 10

SEMI-MASTIC

Same as DEHYDRATINE No. 1, but reinforced with asbestos fibres which web together to form a membrane. Particularly recommended over hollow back-up tile walls since their surface does not permit use of a mastic and are too uneven for the thinner brush coatings.

Covering Capacity: Approximately 30 sq. ft. per gallon one coat and applied by brush.

DEHYDRATINE No. 10

MASTIC

Same as No. 10 Semi-Mastic, but more heavily reinforced with asbestos fibres. Bridges over cracks between the mortar and the bricks, fills holes and ensures a continuous coating. Also used in conjunction with TRIPLEFLEX FABRIC in treatment of spandrel beams. Not recommended for use on concrete, terra cotta or tile — ideal for brick or under furring. Its thickness insulates; reduces condensation or "sweating."

Covering Capacity: Approximately 26 sq. ft. per gallon 1/16 in. thick.

DAMPPROOFINGS — BELOW GRADE

DEHYDRATINE No. 4 and No. 6 Mastic not only have all the high qualities of the DEHYDRATINE BLACKS but maximum chemical resistance.

DEHYDRATINE No. 4

BRUSH CONSISTENCY

A heavy brush consistency applied COLD to the outside surface of masonry below grade. Extensively used for sub-structural work to exclude seepage of ground water through below grade foundations.

Covering Capacity: Approximately 33 sq. ft. per gallon, two coats, depending on porosity and texture of surface.

DEHYDRATINE No. 6

TROWEL CONSISTENCY

Similar to DEHYDRATINE No. 4 but heavily reinforced with asbestos fibre, thus forming when set, a webbed water-resistant coating. Excellent for waterproofing uneven surfaces which cannot be effectually covered with a brush coating. Applied with a trowel after first priming surface with DEHYDRATINE No. 4.

Covering Capacity: Approximately 26 sq. ft. per gallon, 1/16 inch thick.



A. C. HORN COMPANY, INC.

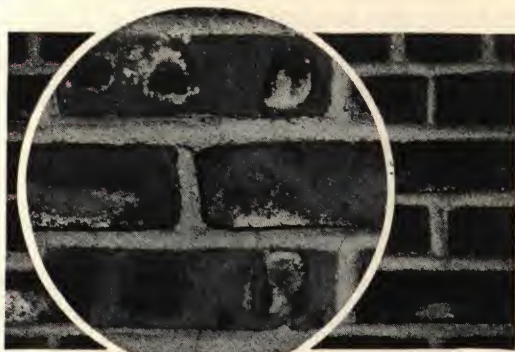
FOR *Water-Resistant* MORTAR JOINTS — TO REDUCE MORTAR SHRINKAGE AND BRICK ABSORPTION

Why Even the Finest
Brick Walls Leak



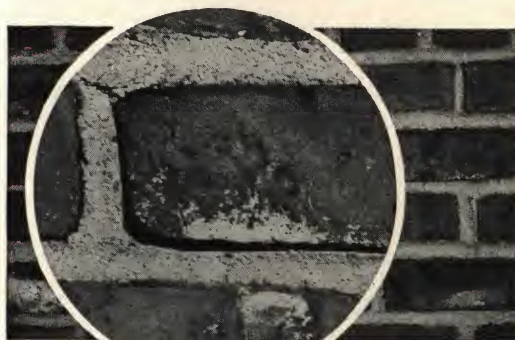
THIS IS AN AVERAGE WALL THAT
LOOKS LIKE GOOD BRICKWORK

Efflorescence (white spots) indicates leakage.



UPON MAGNIFICATION

Many cracks become visible



UPON GREATER MAGNIFICATION

The vertical joint is found to be
open on BOTH sides.

These are actual unretouched photographs of a brick wall on a prominent structure, having an exterior area of more than 100,000 square feet. Over 30% of the joints were in the cracked condition illustrated.

HYDRATITE PLUS



NATIONAL BUREAU OF STANDARDS Report No. BMS 7 states . . .

"A mortar showing a low value for flow after suction is not satisfactory . . ." "The less absorption by brick suction, the less permeable the masonry."

Tests of HYDRATITE PLUS by Columbia University, Robert W. Hunt Company, Texas Testing Laboratory, United States Testing Company, and others over a period of time bring out many interesting statistics regarding improved adhesion, checking of efflorescence, increased strength and plasticity. MOST IMPORTANT OF ALL, HYDRATITE PLUS REDUCES WATER ABSORPTION AND REDUCES INITIAL SHRINKAGE. HYDRATITE PLUS is a concentrated powder which, when added to brick mortar, greatly reduces amount of water required. The increased plasticity PLUS its water retention after "spreading" the mortar on a course of porous brick promotes labor saving and tight brick walls.

HYDRATITE PLUS anchors the particle of water intimately to the cement, sand or lime particle with a bond greater than the suction of the brick. It increases the "wettability" of the water, thereby requiring much less water to achieve the same "flow" or workability of the mortar.

Specifications: The 1-1-6 brick mortar of 100-110 flow with or without admixture must retain 80% of the original flow after suction under Federal Specification SS-C-181b. HYDRATITE PLUS is approved as admixture under directions of the manufacturers, A. C. HORN COMPANY.

Covering Capacity: 2 lbs. per bag of cement in 1-1-6 mortar.

FIELD LABORATORY:

OVER 100,000,000 SQUARE FEET
OF WALLS TREATED IN 18 YEARS

There is a HORN Waterproofing, for Every Institutional, Commercial

1—CAMPUS BENCHES

Hornac; Horn Rexide

2—EXTERIOR WOOD TRIM

Hornac Exterior Primer; Hornac; Horn Rexide

3—BOOKCASES, CABINETS, DESKS

Horn Duocrex Gloss — Semi Gloss — Dull Finish; Horn-glaze Cleaner; Horn Varnishes

4—KITCHEN

WALLS AND CEILINGS:

Horn Suction Sealers; Horn Super Fume Proof Undercoater; Horn Super Fume Proof Enamel; Horn Namel Gloss and Semi Gloss; Horn-O-Tone; Horn Duocoat; Horn Fumex; Horn Fumex Undercoater

FLOORS

Hornbrite; Hornglaze Cleaner; Hornglaze Wax; Horn T. N. T. Cleanser; Horn PDQ Konkrex; Horn Concrete Floor Enamel; Horn Duocrex; Hornlux; Horn Floorkoter; Maintenex; Horn Florcrex; 45-11 Standard Cleaner

5—CLASSROOMS

WALLS AND CEILINGS:

Horn Suction Sealers; Horn-O-Tone; Horn Super Fume Proof Undercoater; Horn Super Fume Proof Enamel; Horn Namel; Horn Super Streamlite; Horn Duocoat; Horn Fumex; Horn Fumex Undercoater

6—STAIR TREADS

Horn PDQ Konkrex; Horn Duocrex; Horn NuWay Resurfacer; Treadsure; Horn Floorkoter; Florcrex

7—CAFETERIA

WALLS AND CEILINGS:

Horn Suction Sealers; Horn-O-Tone; Horn Super Fume Proof Undercoater; Horn Super Fume Proof Enamel; Horn Super Streamlite; Horn Namel; Horn Duocoat; Horn Fumex; Horn Fumex Undercoater

TABLES—CHAIRS:

Hornglaze Cleaner; Horn Duocrex; Hornspar; Horn-glaze Wax; Horn Table Top Coating

8—CONCRETE FLOORS

Bondsit; Colorundum; Ferro-Fax; Crete-Fix; Hornolith; Hornstone Crystals; PDQ Konkrex; Duocrex; Hornglaze Wax; Color Paste Wax; Staybrite Dry Colors; Dehydratine No. 80; Floorkoter; NuWay Resurfacer; Vibro-Foil; Expansion Joint Cement; Horncure; Ferem; Treadsure; Holzon; Maintenex

9—CORRIDOR FLOORS

TERRAZZO—MARBLE, TILE AND TRAVERTINE

Hornlux; Hornbrite; Maintenex

MAGNESITE COMPOSITION:

Hornbrite; Hornlux; Hornglaze Cleaner; Hornglaze Wax

CORK:

Horn Paste Filler; Horn Florcrex; Hornglaze Cleaner; Hornglaze Wax

OTHER TYPES:

(See Classroom Floors)

10—ROOFS

Horn Dri-N-Tite; Horn TripleFlex Fabric; Horn Elastex; Horn Rexide; Horn Elasticon; Hornlume

11—WINDOW FRAMES

PAINTING:

Horn Galvanide; Horn Metal Primers; Hornac; Horn Rexide; Hornac Exterior Primer

CAULKING AND GLAZING:

Horn Vulcatex or Hornlastic (Knife or Gun Grade); Vulcatex Thriftpaks; Hornlastic Thriftpaks; Horncaulk; Horn Glazing Compound; Joint Primers

12—CLASSROOM FLOORS

WOOD:

Horn DX Cleanser; Hornglaze Cleaner; Horn Florcrex; Horn Duocrex; Hornglaze Wax; Floorkoter; Maintenex

LINOLEUM:

Hornglaze Cleaner; Hornglaze Wax

ASPHALT TILE:

Hornglaze Cleaner; Hornglaze Wax

RUBBER:

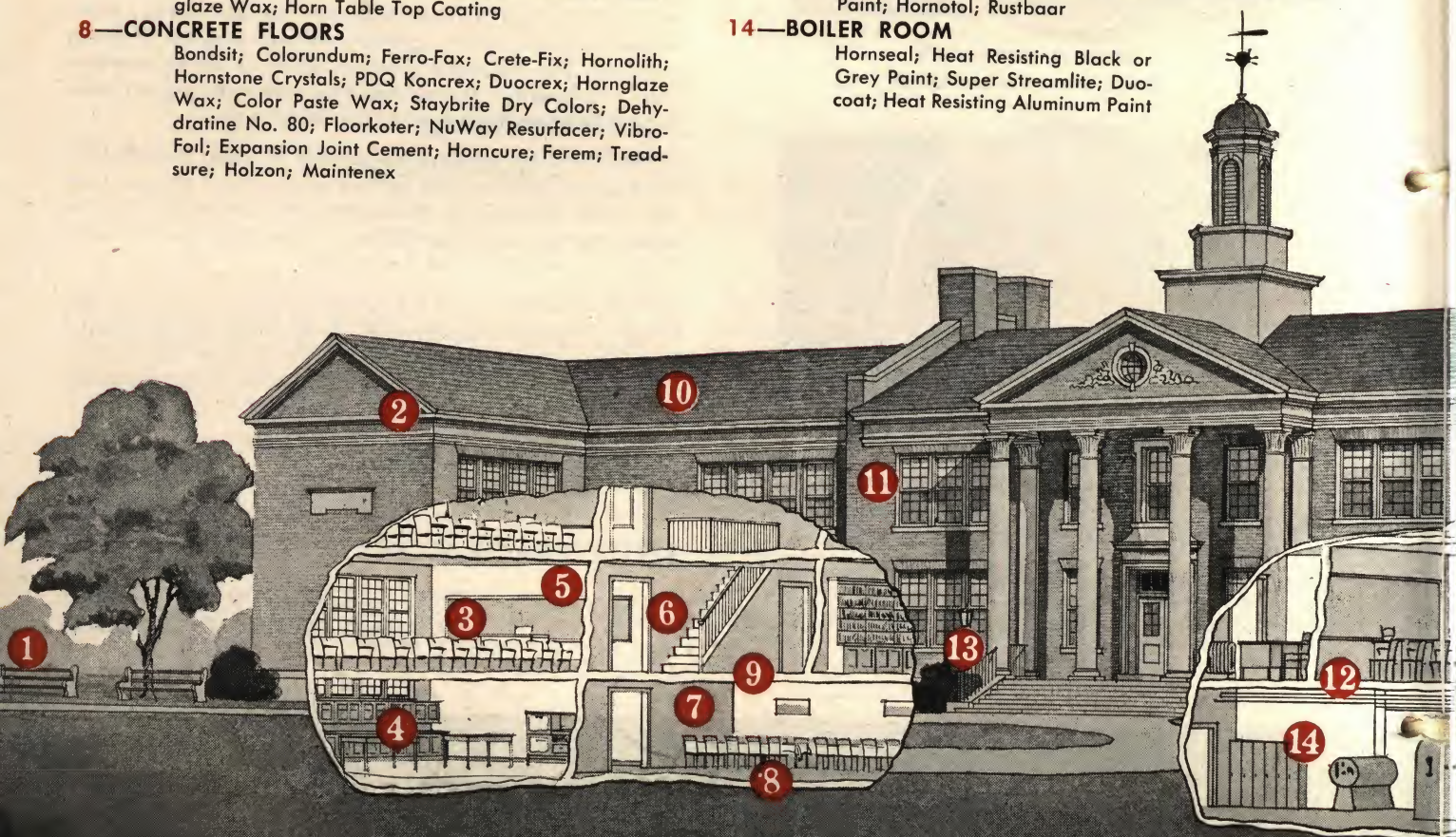
Hornglaze Cleaner; Hornglaze Wax

13—EXTERIOR METAL SURFACES

Horn Metal Primers; Horn Galvanide; Horn Rexide; Horn Graphite Paint; Horn Elasticon; Horn Aluminum Paint; Hornotol; Rustbaar

14—BOILER ROOM

Hornseal; Heat Resisting Black or Grey Paint; Super Streamlite; Duocoat; Heat Resisting Aluminum Paint



Protective and Decorative Coating for Residential Type Building

9a
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15—PIPE SYSTEMS

Horn Galvanide; Horn Industrial Enamel; Hornspar Enamel; Hornotol; Horn Pipe Joint Cement; Horn Aluminum Paint; Swet-pruf

16—RADIATORS

Horn-O-Tone; Horn Aluminum Paint; Horn Industrial Enamel

17—CHIMNEYS OR STACKS

METAL:

Horn Heat Resisting Black or Grey; Horn Heat Resisting Aluminum Paint; High Heat Resisting Grey

18—LABORATORY

Horn Suction Sealers; Horn Super Fume Proof Undercoater; Horn Super Fume Proof Enamel; Horn Acid-Resisting Table Top Coating; Fumex; Fumex Undercoater

19—TOILET ROOMS

WALLS AND CEILINGS:

Horn Suction Sealers; Horn Super Fume Proof Undercoater; Horn Super Fume Proof Enamel; Horn Namel; Horn Duocoat; Fumex; Fumex Undercoater

SLATE PARTITIONS:

Hornlux

METAL PARTITIONS:

Horn Industrial Enamel; Hornspar

20—EXTERIOR WALLS

Horn Suction Sealers; Horn Symentrex; Hornac; Horn Dehydratine 2-2A; Horn Waterfoil; Rexide; Hydratite; Staybrite Mortar Colors; Hornrock; Hornac Exterior Primer

21—LOCKERS

Horn Locker Enamels; Horn Varnishes

22—DAMPPROOFING & WATERPROOFING

Dehydratine No. 1, No. 2-2A, No. 3, No. 4, No. 6, No. 10 and No. 80; Hydratite; Metalon

23—GYMNASIUM

FLOORS:

Hornglaze Cleaner; Horn Florcrex; Horn Duocrex; Hornglaze Wax

WALLS AND CEILINGS:

Super Streamlite; Horn-O-Tone; Hornrock; Super Fume Proof Enamel; Horn Namel; Duocoat; Super Fume Proof Undercoater; Fumex; Fumex Undercoater

24—PARAPETS

WALLS:

Horn TripleFlex Fabric; Horn Dri-N-Tite; Horn Elastex

COPINGS:

Horn Vulcatex or Hornlastic (Knife or Gun Grade); Vulcatex Thriftpaks; Hornlastic Thriftpaks; Horncaulk; Joint Primers

25—AUDITORIUM

WALLS AND CEILINGS:

Super Streamlite; Acoustical Surface Paint; Suction Sealers; Horn-O-Tone; Super Fume Proof Enamel and Undercoater; Horn Namel; Duocoat; Fumex; Fumex Undercoater

FLOORS:

PDQ Koncrex; Concrete Floor Enamel; Hornglaze Cleaner; Hornglaze Wax; Duocrex; Florcrex; Maintenex

26—WATER TANK

Interior Tank Paints; Metal Primers; Galvanide; Rexide; Hornac; Hornotol; Aluminum Paint; Graphite Paints

27—STADIUM

Hornac; Florcrex; Floorkoter; Rexide; Symentrex; Formfilm; Waterfoil; PDQ Koncrex; Dehydratine 2-2A; Hornrock

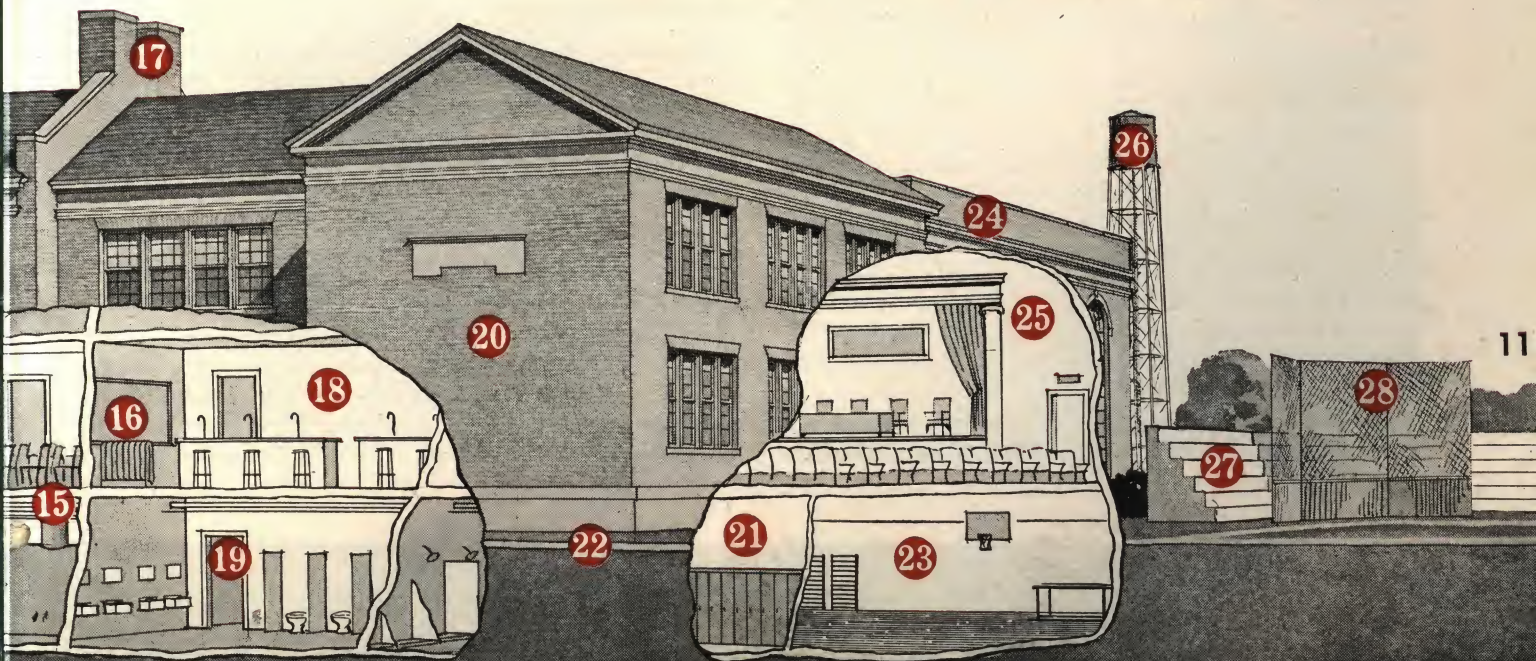
28—FENCES

WOOD:

Hornac Exterior Primer; Hornac; Rexide

METAL:

Metal Primers; Galvanide; Rexide; Graphite Paints; Asphaltum Paints; Aluminum Paint; Rustbaar



CONCRETE ADMIXTURES

THE AIR ENTRAINING AGENT FOR CONCRETE AND FOR CEMENT MORTARS

AYR-TRAP

AYR-TRAP, as the air-entraining agent in concrete makes it more durable, increases its workability and minimizes segregation and bleeding. Ayr-Trap is used in concrete for roads, sidewalks, exposed structures, dams and bridges and in cement mortars.

Three to five percent of air, trapped in the concrete in the form of tiny, individual bubbles will maintain flexural strength with age, improve scaling resistance and in general will protect the concrete. Air entrainment greatly improves *workability* and permits a *reduction* in the water/cement ratio. The amount of air trapped in the concrete must be controlled.

Ayr-Trap is safe. Small deviations under field conditions do not alter its benefits. It is relatively independent of the proportion of sand—also of the slump and mixing time

in transit-mixes. Ayr-Trap is stable, it does not deteriorate or cake on standing.

This combination of desirable properties is achieved because Ayr-Trap is a synergic mix consisting of two elements, each of which is present in such minute quantity that it causes no undesirable effects such as most organic materials do. Yet, in combination these two components in such small quantities give the full measure of air entrainment.

AYR-TRAP in MORTARS

Ayr-Trap is a valuable ingredient in mortars as it increases the life of buildings by checking disintegration of mortar joints. It also imparts greatly improved workability and water retention. In mortars the same amount of AYR-TRAP is used per bag of cement as in concrete.

Ayr-Trap is available *only in liquid form* to be used as follows:—

Liquid Ayr-Trap—Use 3 ozs. per cubic yard of 5 or 6 bag mix—1 pint per 5 cubic yds. 6 bag mix. Write for detailed technical literature and prices. You save money and do a better concrete job with Ayr-Trap.

FOR *Water-Resistant* CONCRETE

HYDRATITE

PASTE — POWDER — LIQUID

To be mixed with cement to make concrete and cement resistant to water.

When added to cement, it tends to form an insoluble material which acts as a lining on the side walls of the pores or voids in the mortar, thereby making these surfaces water repellent.

HYDRATITE PASTE

Hydratite Paste is used in the proportion of two lbs. per bag of cement. The material weighs eight pounds per gallon, therefore the two lbs. is often referred to as a quart per bag of cement. Where the mortar is hand-mixed, it is preferable to mix cement and aggregate dry, add a small amount of water — then add the proper quantity of HYDRATITE PASTE which has first been diluted with a small amount of water — then add additional water to achieve consistency desired. Where machine mixers are used, the HYDRATITE PASTE may be added directly to the mix.

Covering Capacity: Use 2 lbs. of Hydratite Paste per bag cement. Figure 8 lbs. or 1 gal. per 100 sq. ft. of 1" floor top-

ping. Figure 12 lbs. or 1½ gal. per cu. yd. of 1-2-4 concrete.

HYDRATITE POWDER

In certain localities, the use of integral waterproofing in powder form has become preferable. HYDRATITE POWDER may be readily added to the dry aggregate prior to mixing, and is used in the standard proportion of 2 lbs. per bag of cement.

Covering Capacity: 2 lbs. per bag of cement. Estimate 8 lbs. per 100 sq. ft. 1" floor topping. Estimate 12 lbs. per cu. yd. 1-2-4 concrete.

HYDRATITE LIQUID

The question of whether integral waterproofing should be packed in paste, powder or liquid form has become one of local preference and common usage. It is really of no consequence as to whether delivery is obtained in any one form. In order to meet any local preference, HYDRATITE LIQUID is sometimes considered more convenient.

Covering Capacity: Use one quart per bag of cement. Figure 1 gal. per 100 sq. ft. of 1" topping. Figure 1½ gals. per cu. yd. of 1-2-4 concrete.

SPECIFICATIONS

All concrete below grade, or slabs in contact with the ground shall be made water-resistant with HYDRATITE in accordance with the exact directions of the manufacturer, the A. C. HORN COMPANY.



WOOD FORM COATING CONCRETE FORMS

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LIQUID COATING FOR CONCRETE FORMS
PRODUCES READY-TO-PAINT SMOOTH CONCRETE

FORMFILM

Description: FORMFILM is the liquid coating which has made practical the use of fir plywood for concrete forms. The material flows out to a smooth, even, glass-like finish, dries quite rapidly and, due to its resistance to moisture and alkaline action of concrete, prevents the raising of the grain of the wood. Wood forms coated with ordinary "form oil" can only be used once. Fir plywood forms, after being coated with FORMFILM, can be used over and over again. When fir plywood forms, previously coated with FORMFILM, are stripped from the concrete, the resultant smooth concrete surface permits painting without a plaster coat or costly rubbing. FORMFILM is adaptable for any type of work where smooth concrete, speedy construction and economical use of the forms is desired. Horn FORMFILM enables the contractor to:

1. Increase the life of the plywood
2. Eliminate grain markings in concrete
3. Eliminate oil deposits on the face of the concrete
4. Completely seal the edges and base of the boards
5. Strip absolutely clean
6. Use forms many times without re-coating

Use: FORMFILM is applied to the virgin plywood. The wood must be free from form oil, or other foreign matter. May be applied by dipping or by brushing. Usually thinned with FORMFILM thinner, depending on job temperature. Average thinning required is one gallon of thinner to ten gallons of FORMFILM. Two coats are recommended for brush application; one for dipping is usually sufficient where dipping



tanks are used. The abrasive traffic of placing steel reinforcing on horizontal surfaces such as floor slabs, may necessitate touching up the scratches by brushing, after forms are in place. Avoid substitutes for FORMFILM which may be non-alkali resisting and expensive when computed on basis of number of uses of panels.

Covering Capacity: Dipping and brushing: approximately 200 square feet per gallon, depending on porosity of plywood.



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LONG ISLAND CITY 1, NEW YORK



CONCRETE FLOORS - COLORED

THE BEAUTY AND DURABILITY OF
TILE AT CONCRETE FLOOR PRICES

COLORUNDUM

FOR INTERIOR AND EXTERIOR WORK

COLORUNDUM is a dry powder composed of powerful coloring mediums, fused aggregates, dampproofing and hardening elements, plus cementitious binders.

Applied as a dust coat with a steel float or trowel, as the floor is laid, COLORUNDUM forms a colored armor-plate integrally with the cement finish. The non-slip, dense surface of COLORUNDUM, similar to that of ceramic tile, and equivalent to tile in beauty and durability, makes an ideal flooring for school corridors, auditoriums, stores, showrooms, sidewalks, ramps and other flooring subject to public traffic. Whether Indoors or Outdoors it is resistant to traffic wear and exposure.

COLORUNDUM is no more costly than a painted concrete floor, while its properly finished immaculate surface is comparable in beauty and permanency to tile floors.

Covering Capacity: 30 pounds per 100 sq. ft. of floor area.

Colors: Red, Green, Brown, French Grey, Black.

COLORUNDUM SEALER

For best results, whenever COLORUNDUM is used such use should be followed immediately with an application of COLORUNDUM SEALER. The function of COLORUNDUM SEALER is to deepen the color and produce a uniformity in finished appearance. It is designed to minimize construction traffic stains, retard efflorescence, seal in moisture, and to assist in the proper curing of the topping.

USE: Brush application of one coat may be applied as soon as the floor can be walked upon without marring the surface.

COLORUNDUM SEALER can also be used for application to untreated colored concrete floors to restore the appearance of fading colors and produce a fresh uniform color finish.

COLORGLAZE

Description: A liquid colored wax base penetrant sealer.

Use: As a dressing applied to COLORUNDUM floors and all colored concrete floors and magnesite floors.

Covering Capacity: Approximately 150 to 200 sq. ft. per gallon.

Colors: Red, Green, Brown, Grey, Black.

RED

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Hotels
Banks
Sidewalks
Service Stations
Hospitals
Stores
Show Rooms
Industrial Plants
Schools
Theatres
Railroad & Bus
Stations

•

GREEN



LIQUID INTEGRAL CONCRETE FLOOR HARDENER AND ACCELERATOR FOR *Water-Resistant* CONCRETE

DEHYDRATINE No. 80

Description: A concentrated chemical solution which is added to the water used to hydrate cement. Develops both the initial and final set in less than one-half the usual time. Doubles the compressive strength at end of one day. Wearproofs and dustproofs cement floors by pro-

ducing hard "fatty" dense troweling. Reduces freezing point in winter. Densifies through increased hydration and plasticizing.

Use: In concrete floor construction to eliminate costly overtime labor by accelerating the set and making possible earlier troweling. Produces a hard, dense surface. Particularly recommended for new floor areas which cannot be long protected from traffic. Used in concrete for early strength. Used in brick mortar in cold weather as anti-freeze and to reduce labor.

Covering Capacity: For 1" thick floor topping, estimate 1 qt. per bag of cement or 1 gal. per 100 sq. ft. For concrete, estimate one gallon to each 10 gallons gauging water.

FOR CURING CONCRETE

HORNCURE

What Are Results of Ineffective Curing? Ineffective curing works only on the material adjacent to the surface although it is the surface of the concrete that provides the greatest resistance to wear and weathering. There are many causes of concrete deterioration, but inefficient curing of the surface is a major cause.

How Does Concrete Lose Water? Two ways. By evaporation and by leakage into subgrade where the concrete is in contact with the subgrade.

What Are the Functions of an Effective Curing Compound? To place an impervious membrane on the slab of concrete immediately after it is placed. This membrane must be a tight film. It must seal the surface.

Will That Stop the Water Loss? Yes, it will. It stops the evaporation from the surface and it also builds up a vacuum in the slab which retards the leakage.

Why Is This So Important? Because tests show, that due to evaporation, the loss of strength of the upper portions of a concrete slab is 40% to 50% of the strength developed in the lower portions. Greatest loss of strength occurs during the first 12 to 24 hours. Proper curing performed during this period tremendously influences the future strength of the concrete.

What Is Horncure? It is a carefully formulated material, designed to seal and to adhere to concrete in one operation . . . and to form a transparent, watertight, airtight seal.

Does It Discolor the Concrete? It does not. It neither stains nor mottles even the lightest shades of concrete.

How Does It Dry? It dries quickly, uniformly, evenly and without pinholes. It dries with a film that is both flexible and tough.

When Is It Applied? Immediately after the concrete has been placed and finished.

How Is It Applied? By brush or spray, the latter consisting of a pressure tank and a motor connected with a direct compressed air compressor. It is a one man operation.

What Is Its Coverage? One gallon will cover approximately 270 to 350 square feet of concrete when applied as directed and before the concrete is dry.

FOR DARKENING CONCRETE AND MORTAR

A E DISPERSED CARBON BLACK

Description: A specially formulated carbon black of semi-paste consistency for the darkening of air entrained or regular concrete. It reinforces the resistance of concrete against scaling and spalling; eliminates glare, improves road safety, highway appearance, pave-

ment color, and helps de-icing of roads. Meets all specifications on color and compressive strength.

Use: Recommended for concrete roads, driveways, streets, curbs, terrazzo, stucco, cement blocks, airport runways, ramps, bridges, walks, floors, platforms.

Covering Capacity: To be mixed in the proportion from 1 lb. to 8 lbs. of A E Dispersed Carbon Black per bag of cement to produce the proper shade of color from light grey to a jet black, in accordance with manufacturer's specifications.

FOR INTERIOR OR EXTERIOR SURFACES

TREAD-SURE

Description: A heavy-bodied, non-slip, granular coating to be applied to wood, concrete or steel floor surfaces subject to foot traffic. It forms a tough, resilient, shock absorbing, and dustless floor.

Use: For interior or exterior surfaces. Resistant to oil and water. Suitable for concrete floors, metal surfaces, steel decks and stair treads. Recommended for application around machines, ramps, walkways and other areas subject to slip hazards. NOT recommended for surfaces subject to heavy truck traffic. May be applied to painted or unpainted floor surfaces.

Covering Capacity: Approximately 100 sq. ft. per gallon, depending on porosity and texture of surface.

Color: Battleship Grey, Red and Green.

CONCRETE FLOORS

construction and repair

METALLIC FLOOR HARDENER

FERRO-FAX

Description: A finely divided and properly graded metallic aggregate free from oil and all impurities. When incorporated into a cement floor topping or monolithic floor at the time of installation, it produces a smooth, dense, steel-like surface which is highly resistant to wear and dusting.

FERRO-FAX is approved by leading architects and engineers and has been used upon millions of square feet of floors for the past 30 years.

Use: Mixed with equal parts by volume, dry Portland Cement (2 bags Ferro-Fax to 1 bag cement) and dusted over a floor topping at time of floating and troweling. Packed only in 100 lb. containers. Ferro-Fax has become the standard method of hardening concrete floors. Extensively used over troweled-off rough concrete from which the usual sand and cement topping has been omitted. Finished floors should not be wet down for curing for 48 hours after installation.

Covering Capacity: Standard Concrete Floors — 30 lbs. Ferro-Fax per 100 sq. ft. Average Monolithic Non-Topping Floors — 40 lbs. Ferro-Fax per 100 sq. ft. Heavy Duty Floors — 60-125 lbs. Ferro-Fax per 100 sq. ft.

Standard Colors: Natural, Red, Brown.

WATERPROOFING AND COLOR COMBINED

STAYBRITE

Description: To dry colors having maximum tinctorial strength has been factory added Horn water-resistant materials. Minimizes the masking or so-called fading of colored cement work, by retarding the formation of the usual grayish masking film of efflorescence or laitance. Due to the high tinctorial strength, only small quantities are required.

- NO JOB MEASUREMENT
- NO WASTAGE • NO SPILLAGE

Use: STAYBRITE comes packed in paper bags containing exact amount required for each bag of cement in the mix, making job measurement unnecessary.

Standard Colors: Tile Red, Black, Persian Yellow, Alaskan Brown, Linoleum Brown, China Blue, Egyptian Green.

FOR PATCHING AND RESURFACING CONCRETE FLOORS

NU-WAY RESURFACER

Description: Shipped ready for use, every batch of Nu-Way Resurfacer is identical. Failures due to ingredients not being uniform in quality and grading or which have been incorrectly proportioned are completely eliminated. Unsuitable aggregates are avoided, resulting in a composition of maximum density and load carrying ability.

Use: Topping or patching applications shall not exceed 1/2 inch in thickness. Nu-Way Resurfacer bonds perfectly to the surface to which it is applied. No mechanical key is required. It forms a tough, resilient, shock absorbing, non-slippery and dustless floor.

Not recommended for floors subject to contact with water, oils, grease, blood, fats, or floors constantly wet with liquids.

FOR GROUTING UNDER MACHINERY AND PATCHING CONCRETE FLOORS

VIBRO-FOIL

Description: Vibro-Foil is a powder compound of iron and hardening elements which, when mixed with ordinary Portland Cement and sand, produces a ductile, metallic grouting which has a minimum shrinkage upon curing. The metallic aggregates having "give and take" qualities, absorb vibration, pounding and heavy wear. Produces water-resistant, oil-resistant and wear-resistant surfaces. The metallic particles in the grout oxidize as soon as the mixture is tempered, causing expansion within the mixture which holds the grout firmly against the bed plate of machinery, or in patching avoids shrinkage cracks.

Use: Vibro-Foil is used in the grouting under steel mill shoes and heavy machinery when it is set upon its foundation. Proper alignment is retained since shrinkage and consequent vibration are eliminated. Also used for patching holes in concrete floors, steel grid floors, loading docks and platforms, and grouting bolts in concrete.

Vibro-Foil is recommended for topping, patching and repairs of concrete floors in dairies, creameries, food packing plants, breweries, laundries, canning plants, and floor areas subject to spillage of water and destructive liquids.

Covering Capacity: 1 cubic yard of grouting requires: 15 1/2 sacks of Portland Cement, 1550 lbs. Vibro-Foil, 15 1/2 cubic feet of sand.

Floor Patching Vibro-Foil Requirements are based on quantity of cement used.

FOR QUICKLY AND ECONOMICALLY PATCHING AND RESURFACING CONCRETE FLOORS

CRETE-FIX

- Patches Concrete Floors in 36 Hours
- Bonds to a Feather Edge, Eliminating Chipping
- Saves 20% in Cost of Repairing

Description: Breaks, holes and cracks in concrete floors may be repaired with ordinary concrete mixed with CRETE-FIX. The result is a resilient and dustproof patch in a few hours. CRETE-FIX is free from oils, solvents, driers, and contains nothing to hasten oxidization or shorten its life. It is impossible for this material to become brittle and lifeless. CRETE-FIX will adhere tightly to the floor, and not only forms an inexpensive patch, but one that will give service far beyond that of the original floor. The concrete gets its durability from the resiliency of CRETE-FIX rather than from its hardness.

Use: The surface upon which a CRETE-FIX flooring will be laid must be thoroughly cleaned of all dust, dirt, loose or flaky material, oil, grease, paint, acids, alkalis, blood, etc. Acid and alkali must be completely neutralized and the floor then flushed with a hose. The edges of the new surface can be tapered down to a feather edge and there will be a positive bond. This eliminates chipping and digging out the old floor, greatly reducing the cost of patching. Skilled labor is not required. A complete job can be done in 36 hours.

Not recommended for floors subject to contact with water, oils, grease, blood, fats, or floors constantly wet with liquids.



A. C. HORN COMPANY, INC.

CONCRETE FLOORS ^{9a}₁₀

construction and repair

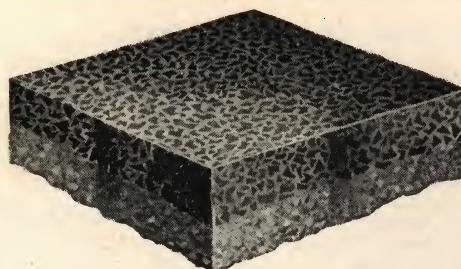
"BLUE TEMPER" FLOOR HARDENING COMPONENT

FEREM

Description: FEREM is a complete material containing all the desirable characteristics of hardeners, admixtures and processed components. FEREM contains no sand, stone or silica, and requires only the addition of cement and water.

FEREM "Blue Temper" floors are unusually resistant to wear, water and chemical disintegration and withstand severe usage without showing it, because the high non-crush capacity of FEREM resists the shock and abrasion of heavily loaded trucks. In addition, FEREM floors have a non-slip quality which makes them safe when wet. The ductility of a FEREM floor is comparable to that of a blue tempered steel cold chisel. Floor toppings with FEREM component have approximately four times the compressive and tensile strength of ordinary cement topped floors.

Use: FEREM is widely used for industrial floors (espe-



The use of Ferem assures a dense, ductile and almost diamond-hard floor surface with practically no upkeep costs.

cially loading platforms, receiving and shipping room floors, corridors, runways, etc.) which are subject to heavy traffic, shock and abrasion. They are particularly suitable for dairies and creameries, where heavy cans are dropped or rolled on floors, and where lactic acid spillage is present. FEREM is made for all heavy duty floors, either in new construction or when patching, resurfacing or relaying worn and eroded floors.

Mixing Proportions: Three 100 lb. containers of FEREM are mixed with one bag of either Portland or hi-early cement. (By volume this is equivalent to one part cement to three parts FEREM.) After these materials are thoroughly *dry-mixed* to a uniform color, sufficient water is added to make a stiff topping.

CHEMICAL AFTER TREATMENT DUSTPROOFING FOR CONCRETE FLOORS

HORNSTONE

Liquid and Crystals

Description: Hornstone represents a concentration of magnesium fluosilicate and zinc fluosilicate in powder form. When applied to a concrete floor surface, it reacts with the cement and lime to form new binding materials and new and harder compounds, forming these into a flint-like material which eliminates dusting. Furnished in liquid as well as crystal form.

Use: Mixed in the proportion of two pounds per gallon of water, the solution is flushed over the surface of the cement floor with a mop or broom. The penetration which takes place, together with the chemical reaction, produces a hard, dense, wearproof surface which does not granulate or dust under traffic. Does not change the appearance of the floor. Not recommended for colored cement floors. Sufficient number of coats should be used to thoroughly saturate the surface.

Covering Capacity: A soft porous floor allows greater penetration and requires more material than a harder, denser surface. Average floor requires 2 pounds per 100 square feet of area.

A RUBBER BASE COATING

HOLZON

Description: A pigment rubber base liquid especially designed for application over concrete surfaces in contact with the earth, such as; interior masonry, basement floors and swimming pools.

HOLZON offers protection and decoration in one operation. It dries with a smooth gloss surface and is easily cleaned.

Use: HOLZON must be applied to an unpainted surface. If virgin cement is smooth, acid etch using 10% muriatic

acid solution to provide a "tooth" or bond. Flush surface thoroughly with clean water and allow to dry. Apply two coats of HOLZON without thinning. Brush out each coat very well. Allow 24 hours to dry between coats, and before opening floor to traffic.

HOLZON is non-toxic and may also be used for the coating of concrete fish and flower pools.

A special HOLZON swimming pool blue is recommended for the inside of concrete swimming pools.

A HOLZON covered floor may be waxed to produce a fine dancing surface.

Covering Capacity: Approximately 350 square feet per gallon per coat, depending on surface irregularity and porosity.

Colors: Red, Green, Brown, White, Clear and Swimming Pool Blue.

FLOOR TREATMENTS

SEALER FOR ALL TYPES OF WOOD FLOORS

FLORCREX

Description: A penetrating sealer which, when applied over wood floors, impregnates the wood fibres, excludes dirt, stains and moisture, resists dry rot, splintering and checking.

Use: Applied with mop applicator or rag over sanded or virgin wood floors; surface excess is removed with dry rags. Seals by depositing synthetic compounds directly below the wearing surface. Dries overnight. Furnished in clear and "oak color." Wax with Hornglaze after sealing.

Covering Capacity:

On open-grain wood, approx. 350 to 450 sq. ft. per gal.

On close-grain wood, approx. 450 to 600 sq. ft. per gal.

FOR PRESERVING WOOD AND CONCRETE FLOORS

DUOCREX

Description: DUOCREX is not an oil dressing nor a varnish, but a chemical compound of gums and preservatives, developed after diligent research, with the sole idea of producing a perfect dressing for floors. It is a thin bodied coating having many of the characteristics of varnish and can be applied in a similar manner. After it has dried hard the resulting surface is one that can be kept clean and attractive by merely dusting off.

Use: When applied to a concrete floor DUOCREX is thin enough in body to work into the pores of the surface, sealing them so as to make a solid film over the entire surface. It serves to minimize dusting of the concrete, and develops a concrete floor that is waterproof on top, but it will not prevent water from coming through. On wood surfaces, due to maximum penetration of DUOCREX, more than one application is usually required. By thus penetrating the wood surface DUOCREX fills the minute cells, reinforcing the entire surface and greatly increasing its resistance to wear. DUOCREX dries in half the time of most varnishes and the majority of oil dressings. It provides a smooth but not slippery surface which is dust-free, wear-resistant and which never becomes brittle.

TRANSPARENT PENETRANT FOR NEW TERRAZZO OR COLORED CONCRETE AND MAGNESITE FLOORS

HORNLUX

Description: Hornlux is a liquid which, by means of its peculiar composition, allows the penetration of a phenol-formaldehyde condensation product down into a newly completed terrazzo or colored concrete floor. Not a surface coating. Applied with a rag. Allowed to penetrate for several minutes and then all of the surface excess is wiped off.

Use: To seal the porosity, densify, harden and immediately develop the color of colored concrete or NEW terrazzo floors. Used on colored concrete floors before waxing. Used to restore the true color and finish of new or old magnesite floors. After application, allow to dry overnight.

Covering Capacity:

New Terrazzo Floors: Approx. 800-1000 sq. ft. per gallon.

Concrete Floors: Approx. 400-600 sq. ft. per gallon.

SELF-POLISHING WAX

HORNGLAZE

Description: A liquid emulsion of carnauba wax formulated to produce a self-polishing, tough, hard, water-resistant finish over linoleum, rubber tile, asphalt tile or hardwood floors.

Approved by leading manufacturers of flooring and floor coverings.

Use: Surfaces can be dry-mopped instead of scrubbed or wet mopped. HORNGLAZE prevents grime from impregnating the floor or the wax film and insures immaculate appearance.

FOR REMOVING WAX AND ELIMINATING POROSITY

HORNGLAZE CLEANER

A liquid compound especially designed to clean surfaces preparatory to receiving Hornglaze Wax. Ideal for cleaning floors, walls and painted woodwork. Diluted with from 1 to 15 parts of water, depending upon strength required. Added to scrubbing water usually in proportion of either 1 pint or 1/2 pint to 3/4 bucket of water.

HORNGLAZE CLEANER not only acts as a proper cleaner, but also leaves the pores filled with a dry, hard residue which means a saving in coverage per gallon when applying subsequent wax coatings.

FOR CLEANING MARBLE, TERRAZZO AND COMPOSITION FLOORS

HORNBRITE

A concentrated liquid added to the scrubbing water for cleaning marble, travertine, mosaic tile, terrazzo and composition floors. The hard dry residue deposited in the pores does not leave a surface film and permits easier cleaning after several treatments. It prevents the pitting and chipping of terrazzo and eliminates the use of harmful cleaners such as scouring powders, alkali cleaners, sweeping compounds, oil mops or powdered soaps.

HORNBRITE contains bleaching elements which counteract the natural tendency of terrazzo and marble to "yellow" from age and traffic.

Used in proportion of 1/2 pint or 1 pint to 3/4 bucket of water. Use in stronger proportions for very dirty surfaces.

In back of modern methods of floor maintenance stands the experience gained by the A. C. Horn Company, Inc. in over fifty years of manufacturing and research. It is perhaps unnecessary to mention that both the methods and products have been given the most vigorous practical tests under the supervision of the Horn Laboratories.



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CONTRACT WATERPROOFING SERVICE

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CONTRACTING DIVISION A. C. HORN CORPORATION

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LONG ISLAND CITY 1, NEW YORK



A. C. HORN COMPANY, Inc. manufacturers of **BUILDING MAINTENANCE AND CONSTRUCTION MATERIALS**

BACKGROUND AND RESPONSIBILITY

BACKGROUND

Founded in 1897. Pioneers in the manufacture of materials, and the development of methods for protection, decoration and water resistance of structures. Producers of a complete line of time-tested products which makes the word "Horn" a by-word in every architectural, engineering and industrial specification.

RESPONSIBILITY

A financial rating of the highest given by mercantile credit agencies—AAA1.

PLANTS

Factories, laboratories and office buildings occupy over three square blocks in the heart of one of America's greatest industrial centers; also in strategic locations throughout the country.

WAREHOUSES

Strategically located at such points as Chicago, San Francisco, Los Angeles, Houston and Toronto.

LABORATORIES

Horn maintains three completely staffed laboratories—Research, Factory Control and Raw Material Control; skilled chemists in all and supervised by recognized leaders in their respective fields.

BRANCH OFFICES

Complete sales and engineering service is available in most of the larger cities. See list below. Address all inquiries to A. C. HORN COMPANY, Inc., Long Island City 1, N. Y.

HORN CONSULTING SERVICE

The A. C. Horn Company maintains a complete staff of engineers, thoroughly equipped and fully informed on problems concerning waterproofing, dampproofing, floor treatments, industrial finishes, and materials for maintenance, protection and decoration. In addition, a complete contracting department operating throughout the nation for remedial restoration is available. Our knowledge is reinforced by data accumulated in more than 50 years of experience on thousands of projects, involving every industry, every variation in climate and every condition.

Horn Engineers are at your service to supply you with chemical and engineering information, and detailed specifications required for the proper solution of any specific problem that you may encounter.

Every Horn Product has been time-tested and proven capable of fulfilling its purpose when properly used. However, since the use of these products is beyond the control of the manufacturers, results, of necessity, must be dependent upon combination with other materials not of Horn manufacture, upon proper workmanship and upon local conditions.

Over half a century of continued leadership is the strongest assurance of efficient, practical, economical and satisfactory results. We strongly urge that you avail yourself of our experience and cooperation in every way possible on every job.

Detailed literature and color cards are available on the products listed in this catalogue. Please send for them.

A. C. HORN COMPANY, Inc.

Established 1897

Subsidiary of Sun Chemical Corporation

Tenth Street & 44th Avenue, Long Island City 1, N. Y.

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Toronto, Canada

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